

## PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



### RASA3 Peptide

Cat No.: BS5730P

#### Background

Human GAP1-InsP4 BP, also designated Ras p21 protein activator (GTPase-activating protein) 3 [Ins(1,3,4,5)P4-binding protein], is an 829-amino acid protein that binds phospholipids in both a calcium-dependent and -independent manner. GAP1, one of the Ras GTPase-activating protein families, comprises four distinct genes, including GAP1(m), GAP1-InsP4 BP, MRASAL (murine Ras GTPase-activating-like) and KIAA0538. This family contains an N-terminal tandem C2 domain, a GAP-related domain and a C-terminal pleckstrin homology (PH) domain. The PH domains of GAP1-InsP4 BP are essential for membrane targeting via binding of specific phospholipids. Following agonist-stimulated PtdIns(3,4,5)P(3) production, group I family PH domain containing proteins like GAP1-InsP4 BP specifically bind inositol phosphates, which are subsequently targeted to the plasma membrane.

#### Swiss-Prot

Q14644

#### Applications

#### Blocking

#### Specificity

This peptide can be used with studies using BS5730 RASA3 pAb.

#### Purification & Purity

Synthetic peptide RASA3. (Note: the amino acid sequence is proprietary). The purity is > 98%.

#### Product

1 mg/ml in DI water.

#### Storage & Stability

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

#### Research Use

For research use only, not for use in diagnostic procedure.